The Multinational Multi-Role Tanker Transport Fleet

The Multinational MRTT Fleet (MMF) stands out as a unique example of effective cooperation between NATO and the European Union in delivering critical capabilities. Initiated by the European Defence Agency (EDA) as an initiative to address the long-standing shortfall in European air-to-air refueling capacity in 2012, the MMF has grown to a mature programme, that provides its six participating nations (Belgium, Czech Republic, Germany, Luxembourg, The Netherlands and Norway) with air-to-air refueling, air transport and strategic medical evacuation capabilities.

The fleet is owned by NATO and managed by the NATO Support and Procurement Agency (NSPA). The fleet is operated by the Multinational MRTT Unit (MMU), from the Main Operating Base in Eindhoven (The Netherlands) and the Forward Operating Base in Cologne (Germany).

10 MRTT aircraft have been ordered to date. 7 aircraft have been delivered to the Multinational MRTT Unit (MMU) between 2020-2022. Two aircraft (8 and 9) will be delivered in 2024 and aircraft 10 is planned for 2026.

NSPA is the lead organisation for multinational acquisition, support and sustainment to NATO, its 31 Nations and Partners.

NATO + OTAN

NATO Support and Procurement Agency (NSPA)

"EFFICIENT. EFFECTIVE. RESPONSIVE"

Multinational effort

The MMF is based on a pooling and sharing concept, laid down in a Memorandum of Understanding (MoU) where participating nations get access to state-of-the-art aircraft by a multinational cost-sharing arrangement.

The Netherlands
Initiator and lead nation. MoU signed 2015. 2000 FHs

Luxembourg
Initiator. MoU signed 2015. 1200 FHs

Germany
MoU signed 2017. 5500 FHs

Norway
MoU signed 2017. 100 FHs

Belgium
MoU signed 2018. 2100 FHs

Czech Republic
MoU signed 2019. 100 FHs

*The partnership is open to additional interested nations and the contract allows the option of three more aircraft to fulfil the needs of new partners.

Contact

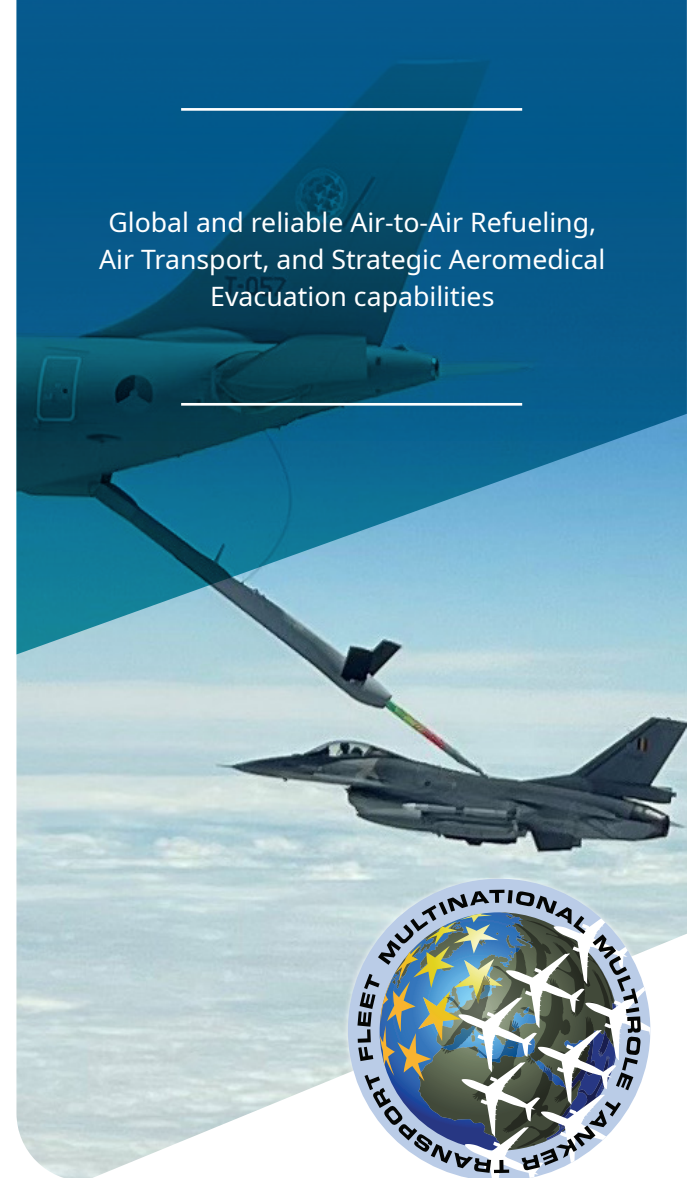**MMU Public Affairs Office**
press.mmu@a330mmu.eu
+352 661 789 997
Eindhoven Airbase, Flight Forum 1550,
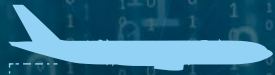5657EZ Eindhoven, The Netherlands

NSPA 12.07.2023

MULTINATIONAL MULTI-ROLE TANKER TRANSPORT FLEET

Global and reliable Air-to-Air Refueling, Air Transport, and Strategic Aeromedical Evacuation capabilities

MULTINATIONAL MULTIROLE TANKER TRANSPORT FLEET

Airbus A330 *Multi-Role Tanker Transport*

Royal Netherlands Air Force

- Total length: **58.8 m**
- Wingspan: **60.3 m**
- Height: **17.4 m**
- Engines: **2 Rolls-Royce Trent 772B turbofans**
- Thrust: **72,000 lbs per engine**
- Max. speed: **493 knots/Mach 0.86**
- Cruising speed: **880 km/h**
- Max. range: **4,500 NM**
- Max. altitude: **41,000 ft/12.5 km**

Participating countries

- Netherlands *Initiator*, 5 or 6 aircrafts will be stationed at Eindhoven Air Base
- Luxembourg *Initiator*
- Germany *Joined later*, 4 or 5 aircrafts will be stationed at Cologne Bonn Airport
- Norway *Joined later*
- Belgium *Joined later*
- Czech Republic *Joined later*

Passengers

Economy Class: 236
Business Plus: 31

Total: 267 passengers

Crew

Pilots: 2
AAR Operator/Loadmaster: 1
Max. cabin crew: 8
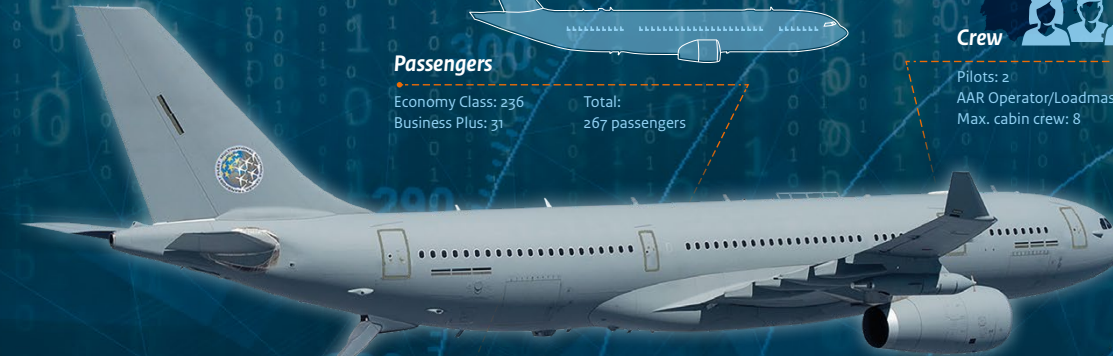
Refueling

Boom: F-16, F-35, C-17, AWACS, F-22, B-1B, A-10
Probe and Drogue: Eurofighter, Tornado, Mirage 2000, F-18, AV-8B Harrier, Gripen
Fuel flow rate: Up to a maximum of 1,800 kg a minute, which is approximately 2,200 litres a minute

Air Refuelling Console

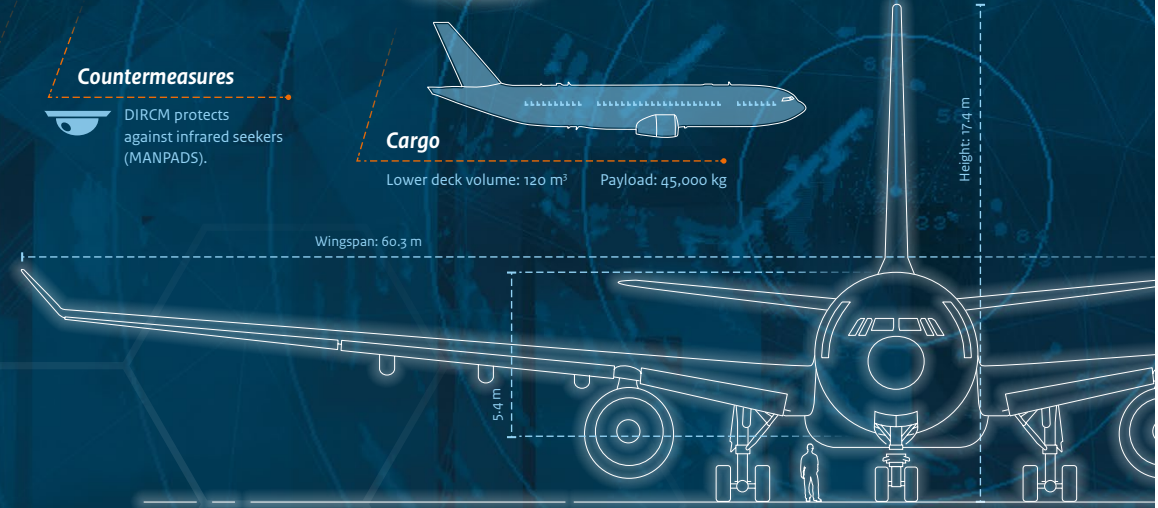## Countermeasures

DIRCM protects against infrared seekers (MANPADS).

Cargo

Lower deck volume: 120 m³   Payload: 45,000 kg

Wingspan: 60.3 m

Height: 17.4 m

5.4 m

Medical evacuation

Medical seats: 21   Intensive care units: 6
Stretchers: 16

2011	2015	2016	2017	2018	2019	2020	2022	2023	2024	2026
Development of Multinational Multi-Role Tanker Transport Fleet (MMF) initiated **30.11**	Netherlands and Luxembourg sign Memorandum of Understanding (MoU) **25.07**	Expansion of MoU; Germany and Norway join MRTT project **29.06**	5 additional aircraft ordered **25.09**	Implementation Team (MIT) **01.01**	8th aircraft ordered **March 2018**	Establishment of Multi-national MRTT Unit (MMU) **Summer**	Additional hours for Luxembourg, aircraft number 9 ordered **September**	Additional hours for Belgium, aircraft number 10 ordered **March**		Expected delivery of 10th Airbus A330 MRTT **End of 2026**
	Exploratory talks with Germany and Belgium about MMF participation	**28.07** Netherlands and Luxembourg jointly purchase 2 A330 MRTTs	**November** Air force pilot trained by RAF, UK	**07.09** Air force pilot trained for A330 by KLM	**Beginning of 2018** Boom operator is trained by RAAF, Australia	**16.02** Belgium joins MRTT project	**03.10** Czech Republic joins MRTT project	**July 2020** Delivery first Airbus A330 MRTT	**July 2022** Delivery 7th Airbus A330 MRTT	**23.03** MMF Initial Operational Capability (IOC)	MMF Full Operational Capability (FOC)